

Technical Data Sheet

Schulablend M/MB 5 GF5 NAT



Polycarbonate + ABS

Product Description

5% glass fibre reinforced ABS/PC blend

Processing Method	Injection Molding
Filler/Reinforcement	Glass Fiber, 5.0%
Resin ID	ABS+PC-GF

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	17	cm ³ /10 min	ISO 1133
Density, (Method A)	1.16	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	4.0	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	67.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	3200	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	15	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	12	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	45	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	35	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	128	°C	ISO 306
(A (10N), 50 °C/h)	140	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	130	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	115	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*cm	IEC 60093
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Flammable			
Burning Rate	<40	mm/min	ISO 3795
(FMVSS 302)	<40	mm/min	FMVSS 302
UL Information			
Flammability Classification, (1.6 mm)	HB		IEC 60695-11-10, -20